

LIVERMORE LAB REPORT

At the conclusion of the Livermore Lab visit, August 8-12, 2011.



LAB FUSES WITH SPAIN



Tomás Díaz de la Ribera, LLNL's deputy director of S&T (center) with (left) Javier Uceda, president of the Universidad Politécnica de Madrid and Manuel Perlado, director of the Instituto de Fusión Nuclear.

The Livermore Lab is pleased to announce the signing of a Memorandum of Understanding (MOU) between LLNL and the Universidad Politécnica de Madrid (UPM).

The MOU is a significant step in the collaboration between LLNL and UPM.

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"The signing of this MOU between LLNL and UPM is a significant step in the collaboration between the two institutions. This agreement will facilitate the exchange of information and resources between the two institutions, and will help to advance the state-of-the-art in the field of nuclear fusion research."

For more information, visit [W b.](#)



A schematic drawing of SWAY's deep offshore wind tower and turbine.

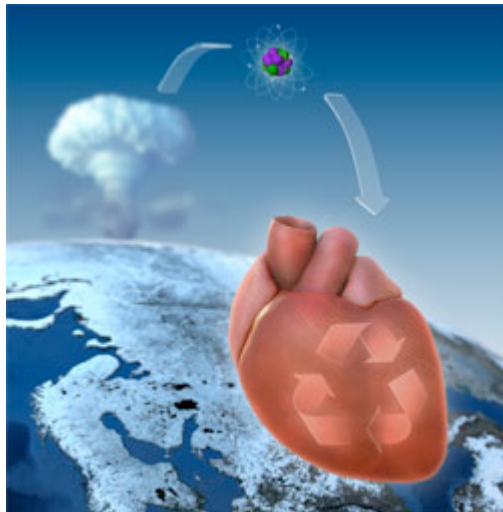
Texas, California and Florida, Lab
 and National Academies of Sciences, Engineering, and Technology.

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 East, South, and West Coast of the United States.

Laurel L. C. and the U.S. Department of Energy.
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According to the American Wind Energy Association, the U.S. could produce 2.3 times as much wind energy as it currently does.

For more information, visit www.offshorewind.biz.



Researchers have determined that cells in the human heart develop in old age by looking at the amount of carbon 14 in the atmosphere from above-ground nuclear testing in the 1950s and 1960. *Illustration by Mattias Karlén, Karolinska Institute.*

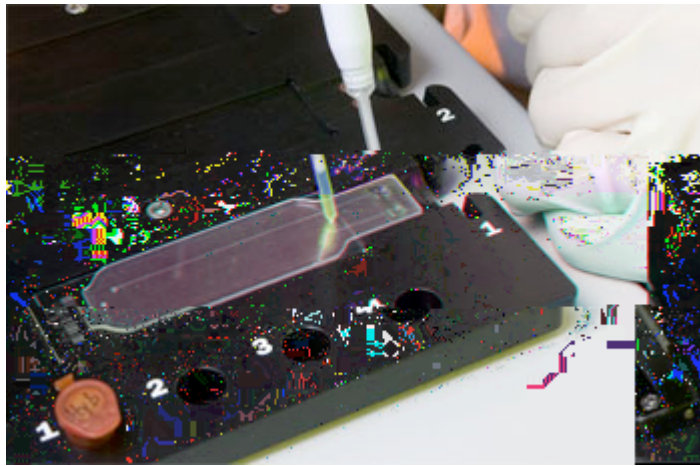
The body's ability to regenerate heart cells is limited. This is because the heart is made of muscle cells that do not divide. As a result, the heart's ability to regenerate is limited.

When the heart is damaged, it can take a long time to heal. This is because the heart is made of muscle cells that do not divide. As a result, the heart's ability to regenerate is limited.

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Between the ages of 50 and 55, the heart's ability to regenerate is limited. This is because the heart is made of muscle cells that do not divide. As a result, the heart's ability to regenerate is limited.

Therefore, [W b.](#)



The one-inch wide by three-inch long Lawrence Livermore Microbial Detection Array has contains 388,000 probes that are used to detect viruses and bacteria.

A Lab-on-a-Chip (LOC) device, which is a small, integrated circuit (IC) that contains a large number of microfluidic channels and chambers, can be used to perform a wide range of laboratory experiments. In this case, the LOC is used to perform a high-throughput screening of 388,000 probes, which are used to detect viruses and bacteria.

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